

(11)Publication number : 2001-005833
(43)Date of publication of application : 12.01.2001

G06F 17/30
G06F 17/60

(71)Applicant : SONY CORP
(72)Inventor : FUTAGAMI KISEI
KAWAMOTO HIROSHI
KAWAMURA TAKUSHI
NAGANO MOTOHIKO

[Date of request for examination]
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]

<http://www19.ipdl.jpo.go.jp/PA1/result/detail/main/wAAAobaysoDA413005833P1...> 2004/06/15

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] A demand receiving means to offer a user's individual humanity news according to the demand from a client terminal and to be an information processor and to receive the demand of said individual humanity news from said client terminal, A judgment means to judge whether offer of the individual humanity news which had the demand from said client terminal is permitted or restricted based on authorization/limit information about whether offer of said individual humanity news is permitted or restricted, When [to which offer of the individual humanity news which had the demand from said client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. The information processor characterized by including an inquiry means to ask the propriety of offer of individual humanity news, and an individual humanity news offer means to provide said client terminal with the individual humanity news to which the offer was permitted when offer of the individual humanity news was permitted by the owner of said individual humanity news.

[Claim 2] Said inquiry means is an information processor according to claim 1 characterized by performing said inquiry when are case or restricted and there is [to which offer of the individual humanity news which had the demand from said client terminal is not permitted] a demand from said client terminal to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked.

[Claim 3] The information processor according to claim 1 characterized by including further a modification means to change said authorization/limit information about the individual humanity news to which the offer was permitted by him when offer of the individual humanity news is permitted by the owner of said individual humanity news.

[Claim 4] The information processor according to claim 1 characterized by including further a modification means to change said authorization/limit information, according to the demand from the owner of said individual humanity news.

[Claim 5] The information processor according to claim 1 characterized by setting the user who permits or restricts the offer for said every individual humanity news to said authorization/limit information.

[Claim 6] The information processor according to claim 1 characterized by setting said individual humanity news which permits or restricts offer for every user to said authorization/limit information.

[Claim 7] The demand receiving step which is the information processing approach of offering a user's individual humanity news according to the demand from a client terminal, and receives the demand of said individual humanity news from said client terminal, The judgment step which judges whether offer of the individual humanity news which had the demand from said client terminal is permitted or restricted based on authorization/limit information about whether offer of said individual humanity news is permitted or restricted, When [to which offer of the individual humanity news which had the demand from said client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. By the inquiry step which asks the propriety of offer of individual humanity news, and the owner of said individual humanity news The information processing approach characterized by including the individual humanity news offer step which provides said client terminal with the individual humanity news to which the offer was permitted when offer of the individual humanity news is permitted.

[Claim 8] The demand receiving step which is the record medium with which the program for performing information processing which offers a user's individual humanity news according to the demand from a client terminal is recorded, and receives the demand of said individual humanity news from said client terminal, The judgment step which judges whether offer of the individual humanity news which had the demand from said client terminal is permitted or restricted based on authorization/limit information about whether offer of said individual humanity news is permitted or restricted, When [to which offer of the individual humanity news which had the demand from said client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. By the inquiry step which asks the propriety of offer of individual humanity news, and the owner of said individual humanity news The record medium characterized by recording the program containing the individual humanity news offer step which provides said client terminal with the individual humanity news to which the offer was permitted when offer of the individual humanity news is permitted.

[Claim 9] From the information offer equipment which offers a user's individual humanity news, are the information processor which acquires said individual humanity news, and said information offer equipment is received. It corresponds to an individual humanity news demand means to require said individual humanity news, and the demand of said individual humanity news. An individual humanity news receiving means to receive said individual humanity news transmitted from said information offer equipment, When [to which offer of said individual humanity news demanded from said information offer equipment is not permitted] case or restricted, to the owner of the individual

humanity news so that propriety of offer of individual humanity news may be asked The information processor characterized by including an inquiry demand means to require of said information offer equipment.

[Claim 10] From the information offer equipment which offers a user's individual humanity news, are the information processing approach which acquires said individual humanity news, and said information offer equipment is received. It corresponds to the individual humanity news demand step which requires said individual humanity news, and the demand of said individual humanity news. The individual humanity news receiving step which receives said individual humanity news transmitted from said information offer equipment, When [to which offer of said individual humanity news demanded from said information offer equipment is not permitted] case or restricted, to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked The information processing approach characterized by including the inquiry demand step required of said information offer equipment.

[Claim 11] From the information offer equipment which offers a user's individual humanity news, are the record medium with which the program for performing information processing which acquires said individual humanity news is recorded, and said information offer equipment is received. It corresponds to the individual humanity news demand step which requires said individual humanity news, and the demand of said individual humanity news. The individual humanity news receiving step which receives said individual humanity news transmitted from said information offer equipment, When [to which offer of said individual humanity news demanded from said information offer equipment is not permitted] case or restricted, to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked The record medium characterized by recording the program containing the inquiry demand step required of said information offer equipment.

[Claim 12] It is the information processor equipped with the client terminal which requires said individual humanity news to the information offer equipment which offers a user's individual humanity news, and said information offer equipment. Said information offer equipment A demand receiving means to receive the demand of said individual humanity news from said client terminal, A judgment means to judge whether offer of the individual humanity news which had the demand from said client terminal is permitted or restricted based on authorization/limit information about whether offer of said individual humanity news is permitted or restricted, When [to which offer of the individual humanity news which had the demand from said client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. By inquiry means to ask the propriety of offer of individual humanity news, and the owner of said individual humanity news When offer of the individual humanity news is permitted, an individual humanity news offer means to provide said client terminal with the individual humanity news to which the offer was permitted is included. Said client terminal The information processor characterized by including an individual humanity news demand means to require said individual humanity news, and an individual humanity news receiving means to receive said individual humanity news transmitted from said information offer equipment corresponding to the demand of said individual humanity news, to said information offer equipment.

[Translation done.]

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] Especially this invention relates to a record medium about a record medium in an information processor and the information processing approach, and a list at the information processor and the information processing approach of enabling it to manage easily other users' access to individual humanity news, such as a user's e-mail address, and a name, the address, the telephone number, and a list.

[0002]

[Description of the Prior Art] A user is managing individual humanity news, such as an e-mail address about an own friend, a firm-related man, etc., and a name, the address, the telephone number, more often with low-pricing of the information communication equipment in recent years with a portable telephone, and a computer and the information communication equipment of PDA (Personal Digital (Data) Assistants) and others.

[0003] That is, drawing 1 shows the configuration of an example of the conventional communication system (a system means the object with which two or more equipments gathered logically, and it does not ask whether the equipment of each configuration is in the same case) which consists of such information communication equipment.

[0004] In drawing 1, computers 1 and 2 are connected to in the company [of a certain firm / LAN / 12] (Local Area Network), and in the company [this / LAN / 12] is connected to the Internet (here, it considers as the Internet as a proper noun) 11. Through a dial-up line 13, it can connect with ISP (Internet Service Provider)14, and computers 3 and 4 can access the Internet 11 now. A portable telephone 5 can access the Internet 11 now through the wireless network 15 for portable telephones (it consists of so-called base stations etc.).

[0005] At the Internet 11, service of the electronic mail called E-mail and others is offered, and the user of a computer 1 thru/or 4, and a portable telephone 5 can exchange an electronic mail mutually by minding the Internet 11.

[0006] Although the application program for exchanging an electronic mail is called a mailer, the mailer has the table for generally managing the individual humanity news called an address book, and a user registers and manages individual humanity news, such as other users' e-mail address, and a name, to the address book.

[0007]

[Problem(s) to be Solved by the Invention] By the way, the user had to perform registration of the individual humanity news to an address book by inputting the individual humanity news, and was troublesome.

[0008] That is, although a mailer has the function to extract the e-mail address of the sender of an electronic mail who received from a mail header, and to register it into an address book generally, it is necessary to input individual humanity news other than an e-mail address (for example, the telephone number, and a firm name and others) oneself [user].

[0009] Moreover, although the telephone of portable telephone 5 grade can register a message partner's telephone number into an address book by using the so-called notice of the telephone number currently offered with ISDN (Integrated Service Digital Network), it is necessary to input other individual humanity news oneself [user] too.

[0010] When for example, each user's individual humanity news is collectively managed by the predetermined server there and there is a demand of individual humanity news from a client, how to provide a client with the individual humanity news from a server, and to register it into an address book in a client can be considered.

[0011] However, as for the owner of individual humanity news, it is common to wish offer of own individual humanity news and not to expect offer of own individual humanity news of other users only to a certain user.

[0012] Therefore, as mentioned above, to carry out package management and offer each user's individual humanity news by the server, it is necessary to restrict access to individual humanity news.

[0013] While registering the user who permits access generally as the limit approach of access, what publishes the password and sets up the information (suitably henceforth access-restriction information) about whether offer of individual humanity news is permitted or restricted further is known to the user. By this approach, at the time of a user's log in, authentication with that password etc. is performed and it is judged to the individual humanity news as which the user who attested is demanding access further based on access-restriction information whether access is permitted or not (aren't restricted or not?). And a user will be provided with the individual humanity news permitted if access is permitted.

[0014] however, **** — by the limit approach [like] of the conventional access, the owner of the individual humanity news set up the access-restriction information about a certain individual humanity news, or the owner needs to direct to the manager of a server, and needed to have him set up, and it was troublesome. Moreover, a

change of access-restriction information needed to be made similarly and it was troublesome too.

[0015] This invention is made in view of such a situation, and enables it to manage a user's access to individual humanity news easily.

[0016]

[Means for Solving the Problem] A demand receiving means by which the 1st information processor of this invention receives the demand of the individual humanity news from a client terminal. A judgment means to judge whether offer of the individual humanity news which had the demand from the client terminal is permitted or restricted based on authorization/limit information about whether offer of individual humanity news is permitted or restricted, When [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. It is characterized by including an inquiry means to ask the propriety of offer of individual humanity news, and an individual humanity news offer means to provide a client terminal with the individual humanity news to which the offer was permitted when offer of the individual humanity news is permitted by the owner of individual humanity news.

[0017] It can be made to ask, when are case or restricted and an inquiry means has [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] a demand from a client terminal to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked.

[0018] When offer of the individual humanity news is permitted by the owner of individual humanity news, a modification means to change authorization/limit information about individual humanity news that the offer was permitted can be further formed in the 1st information processor by him.

[0019] Moreover, according to the demand from the owner of individual humanity news, a modification means to change authorization/limit information can be further formed in the 1st information processor.

[0020] The user who permits or restricts the offer can be set to authorization/limit information for every individual humanity news. Moreover, the individual humanity news which permits or restricts offer can be set to authorization/limit information for every user.

[0021] The demand receiving step to which the 1st information processing approach of this invention receives the demand of the individual humanity news from a client terminal, The judgment step which judges whether offer of the individual humanity news which had the demand from the client terminal is permitted or restricted based on authorization/limit information about whether offer of individual humanity news is permitted or restricted, When [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. It is characterized by including the inquiry step which asks the propriety of offer of individual humanity news, and the individual humanity news offer step which provides a client terminal with the individual humanity news to which the offer was permitted when offer of the individual humanity news is permitted by the owner of individual humanity news.

[0022] The demand receiving step to which the 1st record medium of this invention receives the demand of the individual humanity news from a client terminal, The judgment step which judges whether offer of the individual humanity news which had the demand from the client terminal is permitted or restricted based on authorization/limit information about whether offer of individual humanity news is permitted or restricted, When [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. By the inquiry step which asks the propriety of offer of individual humanity news, and the owner of individual humanity news When offer of the individual humanity news is permitted, it is characterized by recording the program containing the individual humanity news offer step which provides a client terminal with the individual humanity news to which the offer was permitted.

[0023] When [to which offer of the individual humanity news demanded from information offer equipment is not permitted] case or restricted, the 2nd information processor of this invention is characterized by including an inquiry demand means to require of information offer equipment to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked.

[0024] When [to which offer of the individual humanity news demanded from information offer equipment is not permitted] case or restricted, the 2nd information processing approach of this invention is characterized by including the inquiry demand step required of information offer equipment to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked.

[0025] When [to which offer of the individual humanity news demanded from information offer equipment is not permitted] case or restricted, the 2nd record medium of this invention is characterized by to record the program containing the inquiry demand step required of information offer equipment to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked.

[0026] A demand receiving means by which the 3rd information processor of this invention receives the demand of the individual humanity news from a client terminal, A judgment means to judge whether offer of the individual humanity news which had the demand from the client terminal is permitted or restricted based on authorization/limit information about whether offer of individual humanity news is permitted or restricted, When [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. By inquiry means to ask the propriety of offer of individual humanity news, and the owner of individual humanity news An individual humanity news offer means to provide a client terminal with the individual humanity news to which the offer was permitted when offer of the individual humanity news is permitted, It is characterized by including an individual humanity news demand means to require individual humanity news, and an individual humanity news receiving means to receive the individual humanity news

transmitted from information offer equipment corresponding to the demand of individual humanity news, to information offer equipment.

[0027] It is judged whether in the record medium, offer of the individual humanity news which had the demand from the client terminal based on authorization/limit information about whether the demand of the individual humanity news from a client terminal is received, and offer of the individual humanity news is permitted or restricted is permitted or restricted to the 1st information processor of this invention and the information processing approach, and the list. And when [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. A client terminal is provided with the individual humanity news to which the offer was permitted, when an inquiry of the propriety of offer of individual humanity news is performed and offer of the individual humanity news is permitted by the owner of individual humanity news.

[0028] When [by which offer of the individual humanity news demanded from information offer equipment in the record medium is not permitted to the 2nd information processor of this invention and the information processing approach, and a list] case or restricted, a demand is made by information offer equipment to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked.

[0029] In the 3rd information processor of this invention, the demand of the individual humanity news from a client terminal is received, and it is judged whether based on authorization/limit information about whether offer of the individual humanity news is permitted or restricted, offer of the individual humanity news which had the demand from the client terminal is permitted or restricted. And when [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. A client terminal is provided with the individual humanity news to which the offer was permitted, when an inquiry of the propriety of offer of individual humanity news is performed and offer of the individual humanity news is permitted by the owner of individual humanity news. On the other hand, to information offer equipment, individual humanity news is required and the individual humanity news transmitted from information offer equipment is received corresponding to the demand of individual humanity news.

[0030]

[Embodiment of the Invention] Drawing 2 shows the example of a configuration of the gestalt of 1 operation of the communication system which applied this invention. In addition, about the case in drawing 1, and the corresponding part, the same sign is attached among drawing, and, below, the explanation is omitted suitably. That is, the communication system of drawing 2 is fundamentally constituted with the case [the management server 6 is newly formed on the Internet 11, and also] in drawing 1.

[0031] So to speak, the management server 6 (information offer equipment) bundles up the individual humanity news of the user of the client terminal which a computer 1 thru/or 4 or a portable telephone 5, and others do not illustrate, for example, a name and the telephone number, the address, a birth date, and an e-mail address and others, and manages it.

[0032] That is, from a computer 1 thru/or 4 and a portable telephone 5, the management server 6 will register the individual humanity news into a database, if each user's individual humanity news is transmitted, and if there is a demand of a certain user's individual humanity news from a computer 1 thru/or 4 and a portable telephone 5, it will provide a computer 1 thru/or 4 and a portable telephone 5 with a demand with the individual humanity news.

[0033] In the communication system constituted as mentioned above, through in the company [LAN / 12], the user of computers 1 and 2 accesses the management server 6 on the Internet 11, and registers own individual humanity news, for example. Similarly, through a dial-up line 14 and ISP13, the user of a portable telephone 5 accesses the management server 6 through the wireless network 15, respectively, and the user of computers 3 and 4 registers own individual humanity news.

[0034] Then, for example, when the user of a computer 1 wants to register the individual humanity news of the user of a portable telephone 5 into an address book, the name of the user of a portable telephone 5 etc. is transmitted to the management server 6 from a computer 1 as a keyword for retrieval of individual humanity news. In this case, the individual humanity news (for example, individual humanity news containing that keyword) which agrees from a computer 1 to a keyword is searched with the management server 6, and it is transmitted to a computer 1. By computer 1, the individual humanity news transmitted from the management server 6 is received, and it registers with the address book.

[0035] Therefore, the user of a computer 1 can register with an address book, without operating the individual humanity news of the user of a portable telephone 5 in this case, and inputting a keyboard etc.

[0036] Next, drawing 3 shows the example of a functional configuration of the computer 1 of drawing 2.

[0037] The computer 1 consists of the communications control section 21, the terminal-capabilities section 22, and the address book storage section 23.

[0038] The communications control section 21 functions through the network of in the company [LAN / 12], a dial-up line 14 and ISP13, and wireless network 15 grade as an interface for communicating with the management server 6 on the Internet 11. The terminal-capabilities section 22 performs various kinds of processings for a computer 1 to function as a client to the management server 6. The address book storage section 23 memorizes the address book into which individual humanity news is registered.

[0039] In addition, since it is fundamentally constituted similarly with the computer 1 which also showed the computer 2 of drawing 2 thru/or 4 and a portable telephone 5 to drawing 3, the explanation is omitted.

[0040] In the computer 1 constituted as mentioned above thru/or 4 and a portable telephone 5 (these are hereafter

called client terminal collectively suitably), individual humanity news registration processing in which individual humanity news is registered into the management server 6, individual humanity news acquisition processing which acquires the individual humanity news registered into the management server 6 are performed.

[0041] Then, with reference to the flow chart of drawing 4, individual humanity news registration processing is explained first.

[0042] A user gives directions to that effect to the terminal-capabilities section 22 by operating the control unit of the keyboard which is not illustrated and others, when registering own individual humanity news into the management server 6. In this case, in step S1, the terminal-capabilities section 22 is controlling the communications control section 21, accesses the management server 6 on the Internet 11, and requires registration of individual humanity news.

[0043] If the demand of registration of individual humanity news is received, the management server 6 will constitute the individual humanity news input screen for inputting individual humanity news, for example, will transmit a HTML (HyperTextMarkup Language) file to a client terminal so that it may mention later. The communications control section 21 of a client terminal receives this HTML file, and supplies it to the terminal-capabilities section 22. And the terminal-capabilities section 22 displays the individual humanity news input screen corresponding to the HTML file in step S2.

[0044] A user gives the directions which transmit individual humanity news, after seeing an individual humanity news input screen, inputting required individual humanity news and completing the input. At step S3, it is judged in the terminal-capabilities section 22 whether there were any directions of such transmission. In step S3, when judged with there having been no directions which transmit individual humanity news, it returns to step S3.

[0045] Moreover, in step S3, when judged with there having been directions which transmit individual humanity news, by controlling the communications control section 21, the terminal-capabilities section 22 makes the individual humanity news inputted into the individual humanity news input screen transmit to the management server 6, and ends individual humanity news registration processing by progressing to step S4.

[0046] Next, individual humanity news acquisition processing is explained with reference to the flow chart of drawing 5.

[0047] A user gives directions to that effect to the terminal-capabilities section 22, when requiring other users' individual humanity news of the management server 6. In this case, in step S11, the terminal-capabilities section 22 is controlling the communications control section 21, and transmits the keyword for that retrieval to the management server 6 on the Internet 11 with the retrieval demand which requires retrieval of individual humanity news.

[0048] Here, when giving directions of the purport which requires individual humanity news to the terminal-capabilities section 22, a user can give a keyword by inputting individual humanity news's name, an e-mail address, etc. of an owner which it is going to demand.

[0049] Moreover, a client terminal can also give a keyword from the information which it has locally. Namely, when only a certain user's e-mail address is already registered into the address book of the address book storage section 23 and it is, for example, going to demand other individual humanity news about the user, a keyword can open an address book and can give it by specifying the e-mail address registered there. Furthermore, after having been opened in a client terminal for example, by the window where the electronic mail from a certain user was displayed, when a user gives the directions which require individual humanity news, in the terminal-capabilities section 22, the e-mail address of the sender of the electronic mail displayed on the window opened is acquired, and it can give as a keyword.

[0050] From a client terminal, with the retrieval demand of individual humanity news, if a keyword is received, the management server 6 will search the individual humanity news corresponding to the keyword, and will transmit to a client terminal so that it may mention later (reply). So, at a client terminal, it is judged in step S12 whether from the management server 6, it was made such and individual humanity news has been transmitted. In step S12, when judged [that individual humanity news has not been transmitted from the management server 6, and], it returns to step S12.

[0051] Moreover, when judged with individual humanity news having been transmitted from the management server 6 in step S12, That is, when the communications control section 21 receives the individual humanity news from the management server 6, it progresses to step S13, and the terminal-capabilities section 22 receives from the communications control section 21, registers the individual humanity news into the address book of the address book storage section 23, and ends individual humanity news acquisition processing.

[0052] Therefore, without operating a desired user's individual humanity news for a keyboard etc., and inputting the all, the user of a client terminal only gives the keyword about a desired user, and can register with an address book easily.

[0053] Next, drawing 6 shows the example of a functional configuration of the management server 6 of drawing 2.

[0054] The management server 6 consists of the communications control section 31, a server function part 32, and a personal data base 33.

[0055] The communications control section 31 functions as an interface for communicating through the Internet 11. The server function part 32 performs various kinds of processings for the management server 6 to function to a computer 1 thru/or 4 and a portable telephone 5 as a server which offers the service about individual humanity news. A personal data base 33 memorizes the individual humanity news transmitted from a computer 1 thru/or 4 and the client terminal of portable telephone 5 grade by individual humanity news registration processing mentioned

above.

[0056] In the management server 6 constituted as mentioned above, database registration processing in which the individual humanity news of the user of a client terminal is registered into a personal data base 33, individual humanity news offer processing in which individual humanity news is offered according to the demand from a client terminal, etc. are performed.

[0057] Then, with reference to the flow chart of drawing 7, database registration processing is explained first.

[0058] In a client terminal, the individual humanity news registration processing (drawing 4) mentioned above is started, and thereby, database registration processing is started because the management server 6 receives the demand (suitably henceforth a registration demand) of registration of the individual humanity news from a client terminal.

[0059] That is, in a client terminal, it is received in the communications control section 31, and the registration demand transmitted by performing individual humanity news registration processing is supplied to the server function part 32. If a registration demand is received, by starting database registration processing and controlling the communications control section 31 in step S21, the server function part 32 will make the HTML file which constitutes an individual humanity news input screen transmit to the client terminal which has transmitted the registration demand, and will progress to step S22.

[0060] Here, at the client terminal which received the HTML file which constitutes an individual humanity news input screen, as mentioned above, individual humanity news is inputted by the user and it is transmitted to the management server 6.

[0061] So, at step S22, it is judged in the server function part 32 whether individual humanity news has been transmitted from the client terminal. In step S22, when judged [that individual humanity news has not been transmitted and], it returns to step S22.

[0062] Moreover, when judged with individual humanity news having been transmitted in step S22, Namely, when the communications control section 31 receives the individual humanity news from a client terminal, It progresses to step S23 and the individual humanity news from the client terminal is supplied to the server function part 32 from the communications control section 31, and the server function part 32 supplies and stores the individual humanity news in a personal data base 33, and ends database registration processing.

[0063] Individual humanity news transmitted to the management server 6 is registered into a personal data base 33 by performing [in / as mentioned above / a client terminal] individual humanity news registration processing (storage).

[0064] Next, individual humanity news offer processing is explained with reference to the flow chart of drawing 8.

[0065] In a client terminal, the individual humanity news acquisition processing (drawing 5) mentioned above is started, and thereby, individual humanity news offer processing is started because the management server 6 receives a retrieval demand and keyword of the individual humanity news from a client terminal.

[0066] That is, in a client terminal, it is received in the communications control section 31, and the retrieval demand and keyword which are transmitted by performing individual humanity news acquisition processing are supplied to the server function part 32. If a retrieval demand and a keyword are received, the server function part 32 will start individual humanity news offer processing, will search the individual humanity news which agrees in step S31 in the keyword transmitted with the retrieval demand out of the individual humanity news registered into the personal data base 33, and will progress to step S32.

[0067] At step S32, by controlling the communications control section 31, the server function part 32 makes the individual humanity news obtained as a result of the retrieval performed at step S31 transmit to the client terminal which has transmitted the retrieval demand, and ends individual humanity news offer processing.

[0068] A client terminal is provided with the individual humanity news corresponding to the keyword transmitted to the management server 6 by performing [in / as mentioned above / a client terminal] individual humanity news acquisition processing.

[0069] By the way, individual humanity news may be changed because the user who is the owner performs a move etc. (updating). When individual humanity news is changed, the individual humanity news after the modification For example, although it is possible for you to make it reflected in the personal data base 33 of the management server 6 by performing database registration processing (drawing 7) in the management server 6 while individual humanity news registration processing (drawing 4) is performed in a client terminal It is not reflected in the address book of the user who acquired the individual humanity news in the past.

[0070] That is, suppose that the individual humanity news of the user of a computer 4 was changed when the individual humanity news of the user of a computer 4 was registered into the address book of a computer 1, and the individual humanity news after the modification was registered into the personal data base 33 of the management server 6 in drawing 2 for example, because the user of a computer 1 performs individual humanity news acquisition processing. In this case, it is in the condition that the individual humanity news before modification of the user of a computer 4 was registered at the address book of a computer 1.

[0071] Therefore, although the address book of the computer 1 by which the individual humanity news before modification is registered needs to acquire and update the individual humanity news after modification, generally it is difficult for the user of a computer 1 to get to know whether the individual humanity news of the user of a computer 4 was changed. Then, for example, there is the approach of updating the individual humanity news registered into the address book by performing individual humanity news acquisition processing periodically. However, whenever it is going to perform individual humanity news acquisition processing in this case, a user has to give the directions and

the keyword of a purport which perform a retrieval demand to the terminal-capabilities section 22, and is troublesome.

[0072] So, when the individual humanity news memorized by the personal data base 33 of the management server 6 is changed, the address book of a client terminal can be updated efficiently as follows here.

[0073] That is, drawing 9 shows other examples of a functional configuration of the management server 6 of drawing 2. In addition, about the case in drawing 6, and the corresponding part, the same sign is attached among drawing, and, below, the explanation is omitted suitably. That is, the management server 6 of drawing 9 is fundamentally constituted similarly with the case [the retrieval log database 41 and the notice function part 42 of updating are newly formed, and also] in drawing 6.

[0074] The retrieval log database 41 memorizes the hysteresis (search history) of the retrieval of individual humanity news which the server function part 32 performs in the individual humanity news offer processing mentioned above. Namely, if the server function part 23 has a retrieval demand from a client terminal and individual humanity news is searched, it will store in the retrieval log database 41 the user ID of the time of the retrieval, the information (suitably henceforth user ID (Identification)) for identifying the user of the individual humanity news obtained as a result of retrieval, and the user of a client terminal that performed the retrieval demand etc. as matching and a retrieval log (search history).

[0075] Here, database registration processing is performed in the management server 6, and when a user's individual humanity news is first registered into a personal data base 33, thereby, user ID is published by the user from the management server 6, while individual humanity news registration processing is performed in a client terminal. In addition, the management server 6 can be made to also publish a password with user ID. Furthermore, when there is a retrieval demand from a client terminal by the management server 6 in this case, that user's user ID and password are required, and a user can be attested.

[0076] The notice function part 42 of updating is supervising the personal data base 33, and if individual humanity news memorized by the personal data base 33 is updated (modification), it will recognize it by referring to the retrieval log memorized by the retrieval log database 41 about the updated individual humanity news in the user of a client terminal who performed the retrieval demand in the past (specification). Furthermore, the notice function part 42 of updating controls the server function part 32 to transmit the individual humanity news after updating to the client terminal about the updated individual humanity news, when the user of a client terminal who performed the retrieval demand in the past exists.

[0077] In the management server 6 constituted as mentioned above, notice processing of updating in which the client terminal which had searched the individual humanity news in the past is provided with the updated individual humanity news is performed besides the database registration processing (drawing 7) mentioned above and individual humanity news offer processing (drawing 8).

[0078] Then, the notice processing of updating is explained with reference to the flow chart of drawing 10.

[0079] The notice function part 42 of updating is supervising the personal data base 33, if the individual humanity news memorized by the personal data base 33 is updated, it will start the notice processing of updating, and it recognizes it in step S41 by referring to the retrieval log memorized by the retrieval log database 41 in the user of a client terminal who performed the retrieval demand in the past about the updated individual humanity news. That is, the notice function part 42 of updating searches the retrieval log into which the user ID of the user who is the owner of the updated individual humanity news is registered as user ID (suitably henceforth searched user ID) of the user of the searched individual humanity news from the retrieval log database 41. Furthermore, the notice function part 42 of updating acquires the user ID (suitably henceforth retrieval demand user ID) of the user of a client terminal who performed the retrieval demand described by the retrieval log obtained as a result of the retrieval.

[0080] And in step S42, to the client terminal corresponding to retrieval demand user ID, the notice function part 42 of updating controls the server function part 32, and ends the notice processing of updating so that the individual humanity news after updating may be transmitted.

[0081] Thereby, the server function part 32 reads the individual humanity news after updating (a user's individual humanity news specified by the searched user ID described by the retrieval log searched in step S41), is controlling the communications control section 31, and makes it transmit to the client terminal corresponding to retrieval demand user ID from a personal data base 33.

[0082] in this case, at the client terminal corresponding to retrieval demand user ID Processing of steps S12 and S13 in individual humanity news acquisition processing (drawing 5) and same processing are performed. By this It is acquired in the past transmitted from the management server 6, and the thing after renewal of the individual humanity news registered into the address book is received, and it changes to the individual humanity news before updating, and registers with the address book.

[0083] As mentioned above, when the individual humanity news memorized by the personal data base 33 is changed, it sets to the management server 6. Since the individual humanity news after modification is transmitted and the individual humanity news after the modification was registered into the address book in the client terminal about the individual humanity news to the client terminal which had performed the retrieval demand in the past An address book can be efficiently updated in the form which synchronized with modification of individual humanity news.

[0084] namely, the user of computers 1 or 4 — respectively — UserA or UserB — ** — as shown in drawing 11, suppose that the user UserB of a computer 4 performed the retrieval demand about the individual humanity news of the user UserA of a computer 1 to the management server 6, noting that these users' UserA and UserB individual humanity news is registered into the personal data base 33 of the management server 6, while carrying out (P1). In

this case, User's UserB authentication is performed (P2) and the individual humanity news of the user UserA with a retrieval demand is searched with the management server 6. Furthermore, in the management server 6, the retrieval log of the purport that User UserB performed the retrieval demand of User's UserA individual humanity news is created (P3), User's UserA individual humanity news is transmitted to the computer 4 of the user UserB with a retrieval demand, and it registers with the address book (P4).

[0085] Then, if User's UserA individual humanity news is changed, the change request which requires modification of individual humanity news from the management server 6 from User's UserA computer 1 will be transmitted (P5), and User's UserA individual humanity news registered into the personal data base 33 will be changed in the management server 6 according to the change request (P6).

[0086] Furthermore, it is detected because the user UserB who searched User's UserA changed individual humanity news with the management server 6 in the past refers to a retrieval log (P7), and the individual humanity news after modification of User UserA is transmitted to the user's UserB computer 4 (P8). And by User's UserB computer 4, the individual humanity news after the modification is changed and registered into the individual humanity news of the user UserA before modification.

[0087] Therefore, even if User UserB does not know that User's UserA individual humanity news was changed, or even if he does not perform individual humanity news acquisition processing periodically, he can get the newest individual humanity news about User UserA.

[0088] In addition, in the above-mentioned case, the individual humanity news after modification was transmitted from the management server 6 to the client terminal, but the bottom is also good for a client terminal so that a purport with modification of for example, individual humanity news may be transmitted as information about modification of other individual humanity news.

[0089] Moreover, to transmit the individual humanity news after modification from the management server 6 to a client terminal, the client terminal needs to access the Internet 11, and when having not connected, individual humanity news after modification cannot be transmitted to a client terminal. Then, when the client terminal has not accessed the Internet 11, the individual humanity news after modification is spooled and the client terminal has accessed the Internet 11 in the management server 6, the spooled individual humanity news can be transmitted to a client terminal. Or in the management server 6, it is made an electronic mail and the individual humanity news after modification can also be made to transmit.

[0090] Next, in the management server 6, although it was made to update the address book of a client terminal by taking a retrieval log efficiently, it is possible in an above-mentioned case, also by taking a retrieval log in client terminals, such as a computer 1, to perform efficient renewal of an address book.

[0091] That is, drawing 12 shows the example of a functional configuration of the computer 1 of drawing 2 which took the retrieval log about the retrieval demand of individual humanity news given to the management server 6. In addition, about the case in drawing 3, and the corresponding part, the same sign is attached among drawing, and, below, the explanation is omitted suitably. That is, the computer 1 of drawing 12 is fundamentally constituted similarly with the case [the retrieval log database 51 and the updating acknowledgement function section 52 are newly formed, and also] in drawing 3.

[0092] The retrieval log database 51 memorizes the hysteresis (retrieval log) of the retrieval demand of individual humanity news which the terminal-capabilities section 22 performs in the individual humanity news acquisition processing mentioned above. Namely, the terminal-capabilities section 22 will store in the retrieval log database 51 the time of the retrieval demand, the user ID (searched user ID) of the user of the individual humanity news obtained as a result of the retrieval demand, etc. as matching and a retrieval log, if a retrieval demand is performed to the management server 6.

[0093] The updating acknowledgement function section 52 recognizes the user ID (searched user ID) of the individual humanity news which gave the retrieval demand non-periodically in the past with reference to the retrieval log memorized by the retrieval log database 51 periodically. Furthermore, the updating acknowledgement function section 52 controls the terminal-capabilities section 22 to require the check of whether the individual humanity news of the recognized user ID was changed of the management server 6.

[0094] By computer 1 constituted as mentioned above, updating check processing in which the check of whether the individual humanity news which performed the retrieval demand in the past other than the individual humanity news registration processing (drawing 4) mentioned above and individual humanity news acquisition processing (drawing 5) was changed is required of the management server 6 is performed.

[0095] Then, updating check processing is explained with reference to the flow chart of drawing 13.

[0096] The updating acknowledgement function section 52 recognizes the user ID (searched user ID) of the individual humanity news which gave the retrieval demand non-periodically in the past with reference to the retrieval log memorized by the retrieval log database 51 periodically. And the terminal-capabilities section 22 is controlled and, thereby, updating check processing is started so that the updating acknowledgement function section 52 may require the check of whether the individual humanity news of the user corresponding to the searched user ID was changed.

[0097] That is, in updating check processing, first, in step S51, the terminal-capabilities section 22 is controlling the communications control section 21, it accesses the management server 6 on the Internet 11, progresses to step S52, and transmits the acknowledge request which requires the check of whether the individual humanity news of the user corresponding to the searched user ID from the updating acknowledgement function section 52 was changed to the management server 6.

[0098] The management server 6 which received the acknowledge request whether the individual humanity news of the user corresponding to searched user ID was changed When it checks by referring to a personal data base 33 and the individual humanity news of the user corresponding to searched user ID is changed The client terminal which has transmitted the acknowledge request for the individual humanity news after the modification (here) It is judged whether it transmitted to the computer 1, it was made such in step S53 by computer 1, and the individual humanity news after modification has been transmitted from the management server 6.

[0099] When judged with the individual humanity news after modification having been transmitted from the management server 6 in step S53, When the communications control section 21 receives the individual humanity news after modification transmitted from the management server 6, it progresses to step S54. Namely, the communications control section 21 Supplying the individual humanity news after received modification to the terminal-capabilities section 22, the terminal-capabilities section 22 changes the individual humanity news after the modification into the individual humanity news before modification, makes the address book of the address book storage section 23 memorize it, and ends updating check processing.

[0100] When it is judged [that the individual humanity news after modification has not been transmitted from the management server 6, and] in step S53 on the other hand (i.e., when the individual humanity news of the user corresponding to searched user ID was not changed and the individual humanity news after modification is not transmitted from the management server 6 for this reason), step S54 is skipped and updating check processing is ended.

[0101] As mentioned above, in a client terminal, an address book can be efficiently updated also by performing updating check processing periodically or irregularly.

[0102] namely, — for example, the case in drawing 11 — the same — the user of computers 1 or 4 — respectively — UserA or UserB — **, while carrying out As shown in drawing 14 , noting that these users' UserA and UserB individual humanity news is registered into the personal data base 33 of the management server 6 Suppose that the user UserB of a computer 4 performed the retrieval demand about the individual humanity news of the user UserA of a computer 1 to the management server 6 (P11). Also in this case, like the case in drawing 11 , User's UserB authentication is performed (P12) and the individual humanity news of the user UserA with a retrieval demand is searched with the management server 6. And in the management server 6, User's UserA individual humanity news is transmitted to the computer 4 of the user UserB with a retrieval demand.

[0103] By computer 4, the individual humanity news of the user UserA from the management server 6 is registered into the address book (P13), further, the retrieval log of a purport which performed the retrieval demand of User's UserA individual humanity news is created (P14), and the retrieval log database 51 memorizes.

[0104] Then, by computer 4, the acknowledge request of whether User's UserA individual humanity news was changed is transmitted to the management server 6 in predetermined timing based on the retrieval log of a purport which performed the retrieval demand of User's UserA individual humanity news (polling based on a retrieval log). (P15)

[0105] Although it is checked in the management server 6 which received the acknowledge request whether User's UserA individual humanity news registered into the personal data base 33 is changed (P16), when it is now, since User's UserA individual humanity news is not changed, the message of the purport which is not changed is transmitted to a computer 4 from the management server 6 (polling reaction: NO). (P17)

[0106] In addition, when the individual humanity news by which the management server 6 was registered into the personal data base 33 is changed, a check is performed because whether the hysteresis (modification hysteresis) of that modification is created, and is held, and a certain individual humanity news is changed refers to this modification hysteresis.

[0107] On the other hand, if User's UserA individual humanity news is changed, the change request which requires modification of individual humanity news from the management server 6 from User's UserA computer 1 will be transmitted (P18), and User's UserA individual humanity news registered into the personal data base 33 will be changed in the management server 6 according to the change request (P19).

[0108] Then, by computer 4, the acknowledge request of whether in predetermined timing, User's UserA individual humanity news was again changed based on the retrieval log of a purport which performed the retrieval demand of User's UserA individual humanity news is transmitted to the management server 6 (P20).

[0109] Although it is checked in the management server 6 which received the acknowledge request whether User's UserA individual humanity news registered into the personal data base 33 is changed as mentioned above (P21) Since User's UserA individual humanity news is changed in now, the individual humanity news of the user UserA after the modification is transmitted to a computer 4 from the management server 6 with the message of the purport changed (polling reaction: YES). (P22) And by User's UserB computer 4, the individual humanity news after the modification is changed and registered into the individual humanity news of the user UserA before modification.

[0110] Therefore, even if User UserB does not know that User's UserA individual humanity news was changed, or even if he does not perform individual humanity news acquisition processing periodically, he can get the newest individual humanity news about User UserA.

[0111] Since the individual humanity news which the management server 6 manages is each user's private information, in addition, authentication Others as mentioned above, in case a client terminal performs a retrieval demand to the management server 6, It is desirable on the insurance at the time of exchanging individual humanity news that it is made to carry out when performing the change request of individual humanity news from a client terminal to the management server 6, or when transmitting the individual humanity news after modification from the

management server 6 to a client terminal.

[0112] Next, although there is especially no limit and individual humanity news was offered in the above-mentioned case by performing individual humanity news offer processing (drawing 8) in the management server 6 As for the owner of individual humanity news, it is common to wish offer of own individual humanity news and not to expect offer of own individual humanity news of the user aiming at other sales, invitation, etc. only to specific users, such as a friend and an acquaintance.

[0113] Furthermore, although the owner of individual humanity news may be a specific user who wishes offer of the individual humanity news or may provide a certain user with all the individual humanity news, he may not expect offer of a part of individual humanity news of other users (or he wishes only a part of offers).

[0114] So, in the management server 6, access to the individual humanity news of other users by the user can be restricted now. That is, the management server 6 controls access to the individual humanity news of other users by the user by setting up the access-restriction information (authorization/limit information) as a profile about whether access to the individual humanity news is restricted (or authorization) about individual humanity news.

[0115] Here, the user who restricts the offer can also be set to access-restriction information for every individual humanity news, and the individual humanity news which restricts offer can also be set to it for every user.

[0116] Namely, drawing 15 shows the access-restriction information to which the user who restricts the offer was set for every individual humanity news.

[0117] At drawing 15 , access-restriction information consists of owner information showing the user who is an informational owner, and accessible information showing the user (user who can receive offer of the information) who can access the information. That is, in drawing 15 , there are DataA, DataB, DataC, and DataD as data which constitute individual humanity news, and, in User UserA and the owner of Data DataC, User UserB and the owner of Data DataD have become [the owner of Data DataA / User UserA and the owner of Data DataB] Users UserC and UserD from owner information, respectively. Moreover, the users with the user accessible to Data DataD to UserA, UserB, and UserC with the user accessible to Data DataC with a user [accessible to Data DataA] accessible to Data DataB are [UserA] all users (All) from accessible information at UserA, UserC, and UserD, respectively.

[0118] Drawing 16 shows the access-restriction information to which the individual humanity news which restricts offer was set for every user.

[0119] At drawing 16 , access-restriction information consists of possession information showing the data of individual humanity news which a user owns, and accessible information showing the data (data with a user able to receive offer) which can be accessed by the user. that is, in drawing 16 , access-restriction information sets up about Users UserA, UserB, and UserC and UserD — having — **** — possession information to the user UserA — Data DataA and DataB — User UserC owns Data DataD and, as for User UserD, User UserB owns Data DataD for DataC, respectively (he is the owner of each data). User UserB of User UserD is [Data DataA and DataC / User UserC] moreover, accessible [accessible information to the user UserA / Data DataA, DataB, and DataC and DataD / to Data DataD] to Data DataC and DataD respectively.

[0120] In addition, although the user accessible to individual humanity news was set as access-restriction information with the gestalt of operation of drawing 15 and drawing 16 , it is also possible to, set the user who restricts access for example, to individual humanity news to access-restriction information in addition to this.

[0121] Moreover, it is also possible to set up a user accessible to individual humanity news separately, and also to carry out grouping of the user and to set an accessible user's group to access-restriction information at individual humanity news.

[0122] Next, with reference to the flow chart of drawing 17 , the individual humanity news offer processing by the management server 6 of drawing 6 or drawing 9 performed while restricting access to individual humanity news is explained based on the above access-restriction information.

[0123] As mentioned above, in a client terminal, individual humanity news acquisition processing (drawing 5) is started, and, thereby, individual humanity news offer processing is started because the management server 6 receives a retrieval demand and keyword of the individual humanity news from a client terminal.

[0124] That is, in a client terminal, it is received in the communications control section 31, and the retrieval demand and keyword which are transmitted by performing individual humanity news acquisition processing are supplied to the server function part 32. If a retrieval demand and a keyword are received, the server function part 32 will start individual humanity news offer processing, will search the individual humanity news which agrees in step S61 in the keyword transmitted with the retrieval demand out of the individual humanity news registered into the personal data base 33, and will progress to step S62.

[0125] At step S62, the server function part 32 judges whether the user of a client terminal who has transmitted the retrieval demand is accessible to the individual humanity news searched with step S61 based on access-restriction information.

[0126] With the gestalt of this operation here, the access-restriction information about the individual humanity news memorized by the personal data base 33 is included in the individual humanity news, and is memorized, therefore the server function part 32 judges whether it is accessible to the individual humanity news based on the access-restriction information included in the individual humanity news searched with step S61, for example.

[0127] Moreover, the owner of for example, individual humanity news sets up the initial value of the access-restriction information included in individual humanity news, when registering the individual humanity news into the management server 6. And as the initial value, the purport which restricts any [of other users] access can be set up, or the purport to which access is permitted only to a specific user can be set up, for example.

[0128] As opposed to the individual humanity news searched with step S61 in step S62 When judged with the user of a client terminal who has transmitted the retrieval demand being accessible, the user of a client terminal to the individual humanity news searched with step S61 so that it may be accessible When access-restriction information is set up, step S63 thru/or S68 are skipped, and it progresses to step S69. The server function part 32 By controlling the communications control section 31, the individual humanity news obtained as a result of retrieval is transmitted to the client terminal which has transmitted the retrieval demand, and individual humanity news offer processing is ended.

[0129] Therefore, in this case, at a client terminal, the individual humanity news corresponding to the keyword transmitted with the retrieval demand is received, and it registers with an address book.

[0130] Moreover, when it is judged with the user of a client terminal who has transmitted the retrieval demand not being accessible to the searched individual humanity news in step S62, the individual humanity news searched with step S61 is received. When access-restriction information is set up so that the user of a client terminal cannot access, it progresses to step S63. The server function part 32 By controlling the communications control section 31, the message (suitably henceforth a disapproval message) of a purport to which access to the individual humanity news obtained as a result of retrieval is not permitted is transmitted to the client terminal which has transmitted the retrieval demand, and it progresses to step S64.

[0131] The disapproval message transmitted from the management server 6 as mentioned above is received and expressed as the client terminal which has transmitted the retrieval demand. And to that individual humanity news, when you wish access to the searched individual humanity news, the user who looked at this disapproval message is operating a client terminal, and transmits the message (suitably henceforth a modification request message) of a purport which requests modification of access-restriction information to the management server 6 so that it may be accessible.

[0132] In the management server 6, it is judged in step S64 whether the modification request message has been transmitted from the client terminal as mentioned above. In step S64, when judged [that a modification request message has not been transmitted from a client terminal, and] (i.e., when a modification request message is not received in the communications control section 31), step S65 thru/or S69 are skipped, and individual humanity news offer processing is ended.

[0133] Therefore, at a client terminal, the individual humanity news corresponding to the keyword transmitted with the retrieval demand is unacquirable in this case.

[0134] Moreover, when judged with the modification request message having been transmitted from the client terminal in step S64, it sets in the communications control section 31. When a modification request message is received, it progresses to step S65. The server function part 32 To the client terminal of the owner of individual humanity news searched by controlling the communications control section 31, so that access of individual humanity news may be possible There is a demand of modification of access-restriction information, the message (suitably henceforth a change-request message) which asks whether such a change may be made is transmitted, and it progresses to step S66. Here, the information (for example, user ID, a name, etc.) about the user of whom the change-request message has required modification of access-restriction information is included.

[0135] The change-request message transmitted from the management server 6 as mentioned above is received and expressed as an owner's client terminal. And when permitting access to own individual humanity news to the user who has demanded modification of access-restriction information, the owner who looked at this change-request message is operating a client terminal, and transmits a message (suitably henceforth a modification allowed message) to that effect to the management server 6.

[0136] In the management server 6, it is judged in step S66 whether the modification allowed message has been transmitted from an owner's client terminal as mentioned above. When judged [that a modification allowed message has not been transmitted from an owner's client terminal, and] in step S66, it progresses to step S67. The server function part 32 The message of a purport to which access to the individual humanity news searched with step S61 by controlling the communications control section 31 was not permitted (this message) the following — suitably — a disapproval message — saying — it transmits to the client terminal which has transmitted the retrieval demand, and individual humanity news offer processing is ended.

[0137] Therefore, at the client terminal which has transmitted the retrieval demand also in this case, the individual humanity news corresponding to the keyword transmitted with the retrieval demand is unacquirable.

[0138] On the other hand, when judged with the modification allowed message having been transmitted from an owner's client terminal in step S66, it progresses to step S68, and to the individual humanity news, the user of a client terminal who has transmitted the retrieval demand changes the access-restriction information included in an owner's individual humanity news memorized by the personal data base 33 so that it may be accessible, and the server function part 32 progresses to step S69.

[0139] At step S69, as mentioned above, it is transmitted to the client terminal which has transmitted the retrieval demand, and the individual humanity news obtained as a result of the retrieval in step S61 ends individual humanity news offer processing.

[0140] Therefore, at the client terminal which has transmitted the retrieval demand in this case, the individual humanity news corresponding to the keyword transmitted with the retrieval demand is received, and it registers with an address book.

[0141] as mentioned above, when there is a retrieval demand of other users' B individual humanity news in the management server 6 from a certain user A to whom access is not permitted using access-restriction information

The change-request message which asks whether access-restriction information may be changed is transmitted to the owner B of the individual humanity news. Since the user A who performed the retrieval demand was provided with the owner's B individual humanity news only when the modification allowed message had been transmitted from the owner B, the owner B of individual humanity news can manage easily other users' access to own individual humanity news.

[0142] That is, if the purport which restricts any [of other users] access is set up and set as initial value of access-restriction information, after that, the owner B of individual humanity news only answers to a change-request message, and can permit access to own individual humanity news only to the user for whom self asks.

[0143] moreover, when the user B who is the owner of individual humanity news has returned the modification allowed message as a response to a change-request message Since access-restriction information was changed so that access of the user A who performed the retrieval demand to the individual humanity news might be permitted, User B It becomes possible to permit access to own individual humanity news only to the user for whom self asks about each user for whom self asks, even if it does not set up access-restriction information according to an individual.

[0144] That is, even if the user A who performed the retrieval demand does not obtain User's B permission after modification of access-restriction information, it becomes possible to access User's B individual humanity news (it becomes possible to receive offer of User's B individual humanity news).

[0145] Moreover, in order to set to the former and for the owner of individual humanity news to set up and change access-restriction information, when it is going to obtain two or more users' individual humanity news, it is necessary to access to each of two or more of the users, and to have access-restriction information changed. Therefore, the user who is going to get two or more users' individual humanity news in this case needs to recognize a means to access to each of two or more of those users. On the other hand, when carrying out package management of the individual humanity news by the management server 6, the user who is going to get two or more users' individual humanity news does not need to recognize a means to access to each of two or more of the users that what is necessary is to recognize only a means to access the management server 6.

[0146] In addition, in order for the management server 6 to transmit a change-request message and to receive the response to the owner B of individual humanity news, when Owner's B client terminal needs to access the Internet 11 and has not connected, a change-request message cannot be transmitted to the client terminal. Then, when Owner's B client terminal has not accessed the Internet 11, the change-request message is spooled and Owner's B client terminal has accessed the Internet 11 in the management server 6, the spooled individual humanity news can be transmitted to Owner's B client terminal. Or in the management server 6, it is made an electronic mail and a change-request message can also be made to transmit.

[0147] Furthermore, when Owner's B client terminal accesses the Internet 11 in this case and the response to a change-request message has been returned, the client terminal of the user A who performed the retrieval demand may not have accessed the Internet 11. however, when Owner B has transmitted the modification allowed message as a response to a change-request message Since access-restriction information is changed, when the user A who performed the retrieval demand has transmitted the retrieval demand about User's B individual humanity news again after that in the management server 6 Since it is in the condition in which the access is possible, therefore User A can receive offer of User's B individual humanity news, it is satisfactory.

[0148] According to the file which recorded the individual humanity news called vCard (VisitingCard) developed by IMC (Internet Mail Consotium) here in the predetermined format In the mailer which received the electronic mail by attaching this to an electronic mail Registration to the address book of that individual humanity news can be performed without being able to register into an address book the individual humanity news currently recorded on the vCard file, therefore inputting individual humanity news oneself [user] also in this case. However, when based on a vCard file, the user who transmits an electronic mail has to change a setup of whether to attach a vCard file, and a user is made to sense troublesomeness in the time of transmitting an electronic mail to the partner who may teach individual humanity news, and the time of transmitting an electronic mail to the partner who does not want to teach.

[0149] On the other hand, as mentioned above, in the management server 6, when carrying out package management of the individual humanity news, when there is an inquiry whether access to individual humanity news from the management server 6 may be permitted, a user just responds to the inquiry, therefore does not need to change a setup himself [user], and can prevent making a user sense troublesomeness.

[0150] With reference to drawing 18 thru/or drawing 20 , next, by performing individual humanity news offer processing of drawing 17 in the management server 6 The exchange performed between the client terminal (suitably henceforth an access client) and the management server 6 which have transmitted the retrieval demand, and the client terminal (suitably henceforth an individual humanity news owner) of the owner of individual humanity news demanded by retrieval demand is explained further.

[0151] First, when an access client has the access privilege which accesses an individual humanity news owner's individual humanity news, Namely, when access-restriction information is set up so that offer of an individual humanity news owner's individual humanity news to an access client may be permitted, it sets. As shown in drawing 18 , from an access client, to the management server 6, to attest is demanded (P31) and user authentication is performed in the management server 6 according to the demand (P32). And if an authentication result is returned from the management server 6 to an access client (P33) and there is no problem in an authentication result, an access client will transmit a retrieval demand and a keyword to the management server 6 (P34).

[0152] The individual humanity news of the individual humanity news owner who agrees from an access client to a keyword is searched with the management server 6, and it is judged in the access-restriction information included in the individual humanity news whether access to the individual humanity news by the access client is permitted (P35). Since offer of an individual humanity news owner's individual humanity news to an access client is permitted in now, an individual humanity news owner's individual humanity news searched from the management server 6 to the access client is transmitted (P36).

[0153] Therefore, an access client can receive offer of an individual humanity news owner's individual humanity news in this case.

[0154] Next, access-restriction information is not set up so that offer of an individual humanity news owner's individual humanity news to an access client may be permitted. And when an access client does not transmit a modification request message, as it is shown in drawing 19, from an access client, to the management server 6, to attest is demanded (P41) and user authentication is performed in the management server 6 according to the demand (P42). And if an authentication result is returned from the management server 6 to an access client (P43) and there is no problem in an authentication result, an access client will transmit a retrieval demand and a keyword to the management server 6 (P44).

[0155] The individual humanity news of the individual humanity news owner who agrees from an access client to a keyword is searched with the management server 6, and it is judged in the access-restriction information included in the individual humanity news whether access by the access client is permitted (P45). Since offer of an individual humanity news owner's individual humanity news to an access client is not permitted in now, a disapproval message is transmitted from the management server 6 to an access client (P46).

[0156] Furthermore, in order for an access client not to transmit a modification request message to the management server 6 in now, the management server 6 does not transmit a change-request message to an individual humanity news owner, either.

[0157] Therefore, an access client cannot receive offer of an individual humanity news owner's individual humanity news in this case.

[0158] Next, when an access client transmits a modification request message, as access-restriction information is not set up so that offer of an individual humanity news owner's individual humanity news to an access client may be permitted, but he shows drawing 20 From an access client, to the management server 6, to attest is demanded (P51) and user authentication is performed in the management server 6 according to the demand (P52). And if an authentication result is returned from the management server 6 to an access client (P53) and there is no problem in an authentication result, an access client will transmit a retrieval demand and a keyword to the management server 6 (P54).

[0159] The individual humanity news of the individual humanity news owner who agrees from an access client to a keyword is searched with the management server 6, and it is judged in the access-restriction information included in the individual humanity news whether access by the access client is permitted (P55). Since offer of an individual humanity news owner's individual humanity news to an access client is not permitted in now, a disapproval message is transmitted from the management server 6 to an access client (P56).

[0160] And in now, an access client transmits a modification request message to the management server 6 (P57), and the management server 6 which received this modification request message acquires the information about an individual humanity news owner from the individual humanity news memorized by the personal data base 33 (P58), and transmits a change-request message to that individual humanity news owner (P59).

[0161] An individual humanity news owner transmits a modification allowed message to the management server 6 as a response to the change-request message transmitted as mentioned above, when permitting offer of own individual humanity news to an access client (P60).

[0162] In this case, in the management server 6, an individual humanity news owner's individual humanity news is read from a personal data base 33 (P61), and is transmitted to an access client (P62). Furthermore, in the management server 6, the access-restriction information included in an individual humanity news owner's individual humanity news is changed so that offer of the individual humanity news to an access client may be permitted (P63).

[0163] Next, although access-restriction information was changed in individual humanity news offer processing in which it explained by drawing 17 when the modification allowed message had been transmitted from the individual humanity news owner, it is able to transmit a modification allowed message and to make it not to change access-restriction information.

[0164] That is, drawing 21 shows the exchange performed between an individual humanity news owner, and the access client, the management server 6 and individual humanity news owner at the time of making it not change access-restriction information even if the modification allowed message was transmitted. In addition, if drawing 21 removes that a change (P63) of access-restriction information is not made in the management server 6, since it is the same as that of drawing 20, the explanation will be omitted.

[0165] Although transmission of an individual humanity news owner's individual humanity news is performed to an access client when shown in drawing 21, the access-restriction information about the individual humanity news is not changed. Therefore, when an access client demands retrieval of an individual humanity news owner's individual humanity news again, offer to the access client of the individual humanity news will be restricted. That is, from an individual humanity news owner, even if a modification allowed message is transmitted, when not changing access-restriction information, so to speak, offer of an individual humanity news owner's individual humanity news can be permitted only within the time to an access client.

[0166] In addition, although the change-request message was surely transmitted from the access client to the individual humanity news owner in the management server 6 in individual humanity news offer processing in which it explained by drawing 17 when the modification request message had been transmitted, an individual humanity news owner may be made to sense troublesomeness in this case.

[0167] Then, even if the modification request message to the same individual humanity news owner is transmitted from the same access client after that, it can avoid transmitting a change-request message to the individual humanity news owner, when a modification request message is transmitted and this transmits a change-request message from a certain access client to a certain individual humanity news owner. Or when I have an individual humanity news owner set up the access client who does not receive a change-request message and the modification request message has been transmitted to him from such an access client, it can avoid transmitting a change-request message to an individual humanity news owner.

[0168] Moreover, in the above-mentioned case, when the modification allowed message had been transmitted from the individual humanity news owner (i.e., when modification of access-restriction information is permitted by the individual humanity news owner), the access-restriction information was changed in the management server 6, but it is also possible for it to be made to make a change of access-restriction information according to the individual humanity news owner's himself demand.

[0169] Next, drawing 22 shows the example of the individual humanity news memorized by the registration database 33 of the management server 6.

[0170] As the individual humanity news memorized by the registration database 33 of the management server 6 is shown in drawing 22 (A), it is classified for every user and each user's individual humanity news is shown in drawing 22 (B), it consists of an address book, a mail box, a message box, and user authentication information. Here, a mail box and a message box are assigned to the user, when a user performs individual humanity news registration processing and individual humanity news is memorized by the registration database 33. Moreover, user authentication information consists of above-mentioned user ID, passwords, etc.

[0171] An address book consists of user registration information, access-restriction information, and notice information of updating, as shown in drawing 22 (C). Here, the information which the user inputted in individual humanity news registration processing is registered as user registration information, and it is limited to the information registered as user registration information that it may be provided here when there is a retrieval demand from other users. This is because no information other than user registration information is the information with which other users should be provided among individual humanity news.

[0172] As user registration information is shown in drawing 22 (D), a registration user name, a name (a furigana is included), The telephone number (home telephone number) of a house, the telephone number of a portable telephone (cellular-phone number), The number (pocket bell number) (a pocket bell is a trademark) of a pager, the e-mail address in the Internet (E-mail address), The number (house FAX number) of the facsimile of a house, the zip code of a house (house zip code), It consists of the address (house address) of a house, the name (firm name) of office, the telephone number (firm telephone number) of office, the number (firm FAX) of the facsimile of office, its affiliation post (affiliation) in office, the address (firm address) of office, a note, a communication terminal information list, etc.

[0173] In addition, as a communication terminal information list is the information about a user's client terminal, for example, is shown in drawing 22 (E), it consists of access information (for example, number of the telephone line connected to the client terminal etc.) for a client terminal to access to the communication terminal type and client terminal showing whether it is a computer or it is a portable telephone, information (available information media) about media with an accessible client terminal, etc.

[0174] Although access-restriction information can also be set up in common about the whole user registration information, it is also possible to set up for each [which constitutes user registration information] item of every.

[0175] Namely, access-restriction information can be set up for every item of the user registration information which is the individual humanity news which other users can access, as shown in drawing 23.

[0176] Here, in drawing 23, about a registration user name, a name, home telephone number, a cellular-phone number, a pocket bell number, the E-mail address, and a communication terminal information list, access-restriction information is set up so that Users UserA and UserB can receive the offer. Moreover, about a house FAX number, a house zip code, the house address, and a note, access-restriction information is set up so that nobody can receive the (except for an owner) offer. Furthermore, about a firm name, the firm telephone number, Firm FAX, and the firm address, access-restriction information is set up so that User UserA can receive the offer.

[0177] When there is modification of user registration information, the user who offers the user registration information after the modification (or purport with modification) is set to the notice information of updating (drawing 22 (C)) which constitutes an address book.

[0178] That is, although the user who had retrieved the user registration information in the past is specified with reference to a retrieval log and the user registration information after modification (or purport with modification) was transmitted to the user with the gestalt of operation of drawing 9 and drawing 10 when there was modification of user registration information, in addition to this, the user registration information after modification can be transmitted also to the user set as the notice information of updating.

[0179] And like [this notice information of updating] access-restriction information, although it can also set up in common about the whole user registration information, it is also possible to set up for each [which constitutes user registration information] item of every.

[0180] Namely, the notice information of updating can be set up for every item of user registration information, as shown in drawing 24.

[0181] Here, in drawing 23, when a registration user name, a name, home telephone number, a cellular-phone number, a pocket bell number, the E-mail address, or a communication terminal information list is changed, the notice information of updating is set up so that Users UserA and UserB may be provided with the information after the modification. Moreover, when a house FAX number, a house zip code, the house address, or a note is changed, the notice information of updating is set up so that nobody may be provided with the information after the modification. Furthermore, when a firm name, the firm telephone number, Firm FAX, or the firm address is changed, the notice information of updating is set up so that User UserA may be provided with the information after the modification.

[0182] Here, fundamentally, the owner of individual humanity news sets up the notice information of updating himself. However, it is possible to detect the user who has retrieved the user registration information to the notice information of updating, and to make it also make the user have reflected in it in the past by referring to a retrieval log in the management server 6.

[0183] Next, hardware can also perform a series of processings mentioned above, and software can also perform. When software performs a series of processings, the program which constitutes the software is installed in a computer 1 thru/or 4 and the management server 6 grade as the computer built into the portable telephone 5 as hardware of dedication, or a general-purpose computer which performs various kinds of processings by installing various kinds of programs.

[0184] Then, the medium used in order to install in a computer the program which performs a series of processings mentioned above and to make it into the condition which can be performed by computer with reference to drawing 25 is explained.

[0185] As shown in drawing 25 (A), a user can be provided with a program in the condition of having installed in the hard disk 102 and semiconductor memory 103 as a record medium which are built in the computer 101 beforehand.

[0186] Or as shown in drawing 25 (B), a program can be stored in record media, such as the floppy (trademark) disk 111, CD-ROM (Compact Disc Read Only Memory)112, the MO (Magneto optical) disk 113, DVD (Digital Versatile Disc)114, a magnetic disk 115, and semiconductor memory 116, temporarily or permanently, and can be offered as a software package again.

[0187] Furthermore, it transmits to a computer 101 on radio, or a program is transmitted to a computer 123 with a cable through the networks 131, such as LAN (Local Area Network) and the Internet, and can be made to store in the hard disk 102 to build in in a computer 101 through the satellite 122 for digital satellite broadcasting services from the download site 121, as shown in drawing 25 (C).

[0188] The medium in this specification means the concept of the wide sense containing all these media.

[0189] Moreover, it is not necessary to necessarily process the step which describes the program offered by the medium to time series in accordance with the sequence indicated as a flow chart, and it is a juxtaposition thing also including the processing (for example, parallel processing or processing by the object) performed according to an individual in this specification.

[0190] Next, drawing 26 shows the example of a configuration of the computer 101 of drawing 25.

[0191] The computer 101 contains CPU (Central Processing Unit)142, as shown in drawing 26. The input/output interface 145 is connected to CPU142 through the bus 141, and CPU142 will perform the program stored in ROM (Read Only Memory)143 corresponding to the semiconductor memory 103 of drawing 25 (A) according to it, if a command is inputted when the input section 147 which consists of a keyboard, a mouse, etc. is operated by the user through an input/output interface 145. Or it is transmitted from the program and satellite 122 with which CPU142 is stored in the hard disk 102 again, or a network 131, and the program which was read from the program which was received in the communications department 148 and installed on the hard disk 102 or the floppy disk 111 with which the drive 149 was equipped, CD-ROM112, MO disk 113, DVD114, or the magnetic disk 115, and was installed on the hard disk 102 is loaded to RAM (Random Access Memory)144, and is performed. And CPU142 outputs the processing result to the display 146 which consists of LCD (Liquid Crystal Display) etc. through an input/output interface 145 if needed.

[0192] In addition, when the program for performing processing in the client terminal mentioned above is recorded on semiconductor memory 116, IC (Integrated circuit) cards, etc., such as a memory card, and is offered and a client terminal is equipped with the semiconductor memory and IC card, it is able to perform automatically the program recorded there, to access the management server 6, and to make it for required individual humanity news to come to hand.

[0193]

[Effect of the Invention] It is judged whether according to the record medium, offer of the individual humanity news which had the demand from the client terminal based on authorization/limit information about whether the demand of the individual humanity news from a client terminal is received, and offer of the individual humanity news is permitted or restricted is permitted or restricted to the 1st information processor of this invention and the information processing approach, and the list. And when [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. A client terminal is provided with the individual humanity news to which the offer was permitted, when an inquiry of the propriety of offer of individual humanity news is performed and offer of the individual humanity news is permitted by the owner of individual humanity news. Therefore, the owner of individual humanity news

becomes possible [managing easily whether others are provided with the individual humanity news].

[0194] When [by which offer of the individual humanity news demanded from information offer equipment is not permitted to the 2nd information processor of this invention and the information processing approach, and a list according to the record medium] case or restricted, a demand is made by information offer equipment to the owner of the individual humanity news so that propriety of offer of individual humanity news may be asked. Therefore, even if it does not carry out direct access to the owner of individual humanity news, it becomes possible to be able to receive offer of the individual humanity news.

[0195] According to the 3rd information processor of this invention, the demand of the individual humanity news from a client terminal is received, and it is judged whether based on authorization/limit information about whether offer of the individual humanity news is permitted or restricted, offer of the individual humanity news which had the demand from the client terminal is permitted or restricted. And when [to which offer of the individual humanity news which had the demand from the client terminal is not permitted] case or restricted, the owner of the individual humanity news is received. A client terminal is provided with the individual humanity news to which the offer was permitted, when an inquiry of the propriety of offer of individual humanity news is performed and offer of the individual humanity news is permitted by the owner of individual humanity news. On the other hand, to information offer equipment, individual humanity news is required and the individual humanity news transmitted from information offer equipment is received corresponding to the demand of individual humanity news. Therefore, the owner of individual humanity news becomes possible [managing easily whether others are provided with the individual humanity news].

[Translation done.]

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.*** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is drawing showing the configuration of an example of the conventional communication system.

[Drawing 2] It is drawing showing the example of a configuration of the gestalt of 1 operation of the communication system which applied this invention.

[Drawing 3] It is the block diagram showing the example of a functional configuration of the computer 1 of drawing 2.

[Drawing 4] It is a flow chart for explaining individual humanity news registration processing.

[Drawing 5] It is a flow chart for explaining individual humanity news acquisition processing.

[Drawing 6] It is the block diagram showing the example of a functional configuration of the management server 6 of drawing 2.

[Drawing 7] It is a flow chart for explaining database registration processing.

[Drawing 8] It is a flow chart for explaining individual humanity news offer processing.

[Drawing 9] It is the block diagram showing other examples of a functional configuration of the management server 6 of drawing 2.

[Drawing 10] It is a flow chart for explaining the notice processing of updating.

[Drawing 11] computers 1 and 4 — respectively — ** — it is drawing for explaining the exchange between the management servers 6.

[Drawing 12] It is the block diagram showing other examples of a functional configuration of the computer 1 of drawing 2.

[Drawing 13] It is a flow chart for explaining updating check processing.

[Drawing 14] computers 1 and 4 — respectively — ** — it is drawing for explaining the exchange between the management servers 6.

[Drawing 15] It is drawing for explaining access-restriction information.

[Drawing 16] It is drawing for explaining access-restriction information.

[Drawing 17] It is a flow chart for explaining individual humanity news offer processing.

[Drawing 18] It is drawing for explaining the exchange between an access client, each individual humanity news owner, and the management server 6.

[Drawing 19] It is drawing for explaining the exchange between an access client, each individual humanity news owner, and the management server 6.

[Drawing 20] It is drawing for explaining the exchange between an access client, each individual humanity news owner, and the management server 6.

[Drawing 21] It is drawing for explaining the exchange between an access client, each individual humanity news owner, and the management server 6.

[Drawing 22] It is drawing showing a format of the individual humanity news memorized by the personal data base 33 of the management server 6.

[Drawing 23] It is drawing for explaining the detail of access-restriction information.

[Drawing 24] It is drawing for explaining the detail of the notice information of updating.

[Drawing 25] It is drawing for explaining the medium which applied this invention.

[Drawing 26] It is the block diagram showing the example of a configuration of the computer 101 of drawing 25.

[Description of Notations]

1 thru/ or 4 Computer 5 A portable telephone, 6 Management server 11 The Internet, 12 In the company [LAN] 13 A dial-up line, 14 ISP, 15 A wireless network, 21 Communications control section 22 The terminal-capabilities section, 23 address-book storage section 31 The communications control section, 32 Server function part 33 Personal data base 41 Retrieval log database 42 The notice function part of updating, 51 Retrieval log database 52 Updating acknowledgement function section 101 A computer, 102 Hard disk 103 semiconductor memory 111 A floppy disk, 112 CD-ROM 113 An MO disk, 114 DVD, 115 Magnetic disk 116 Semiconductor memory 121 Download site 122 Satellite 131 A network, 141 Bus 142 CPU 143 ROM 144 RAM 145 Input/output interface 146 Display 147 Input section 148 Communications department 149 Drive

[Translation done.]

* NOTICES *

Japan Patent Office is not responsible for any damages caused by the use of this translation.

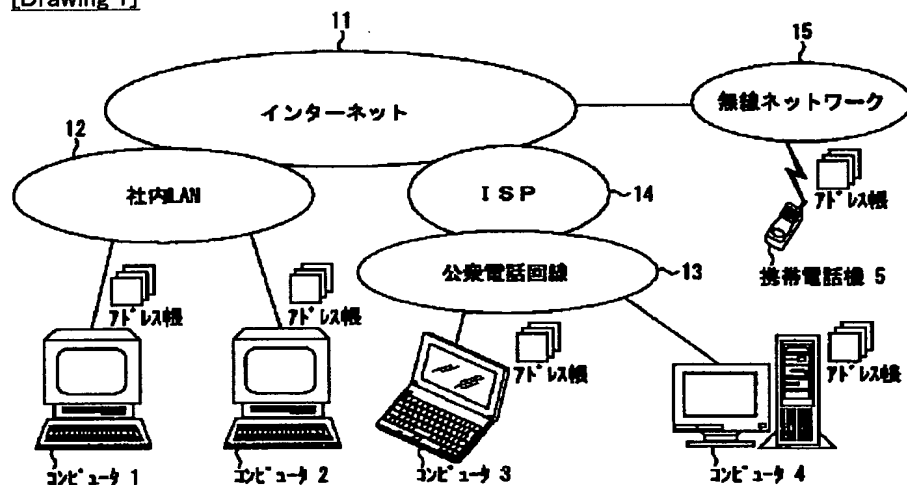
1.This document has been translated by computer. So the translation may not reflect the original precisely.

2.*** shows the word which can not be translated.

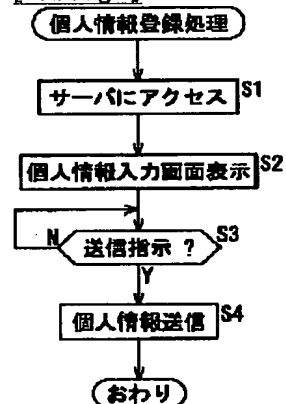
3.In the drawings, any words are not translated.

DRAWINGS

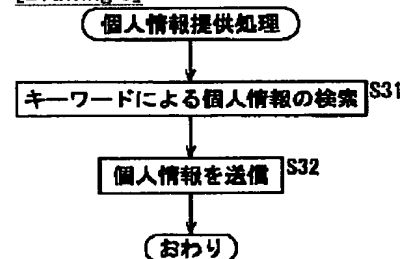
[Drawing 1]



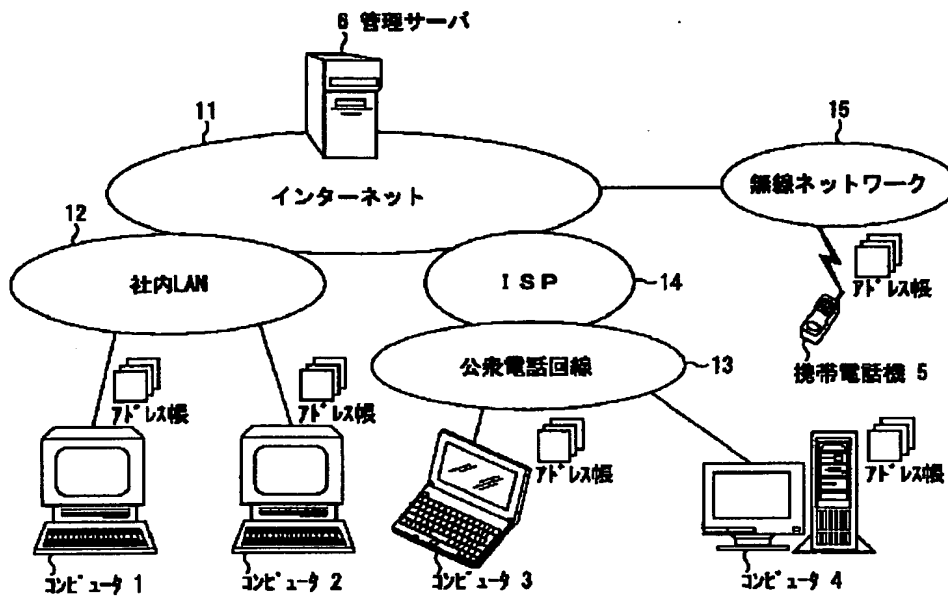
[Drawing 4]



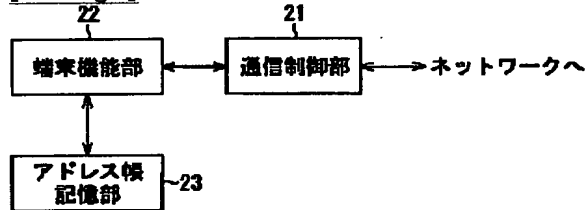
[Drawing 8]



[Drawing 2]

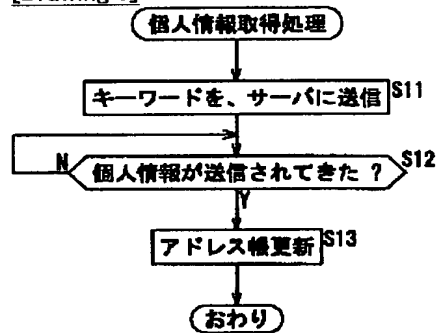


[Drawing 3]

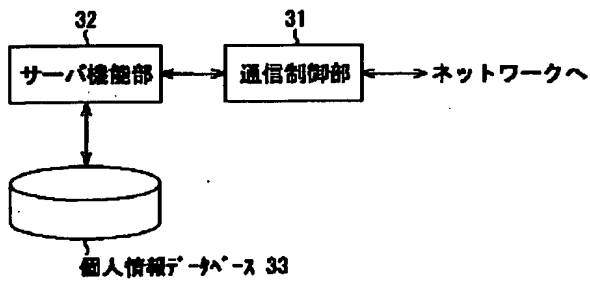


コンピュータ 1

[Drawing 5]

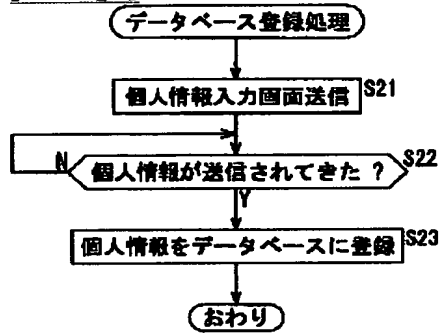


[Drawing 6]

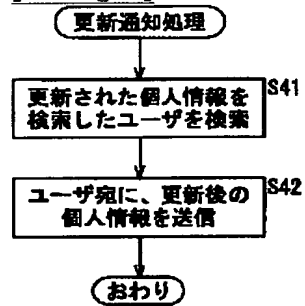


管理サーバ 6

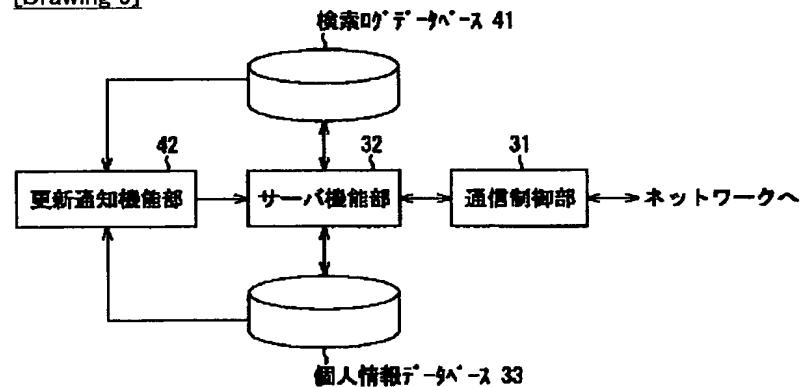
[Drawing 7]



[Drawing 10]

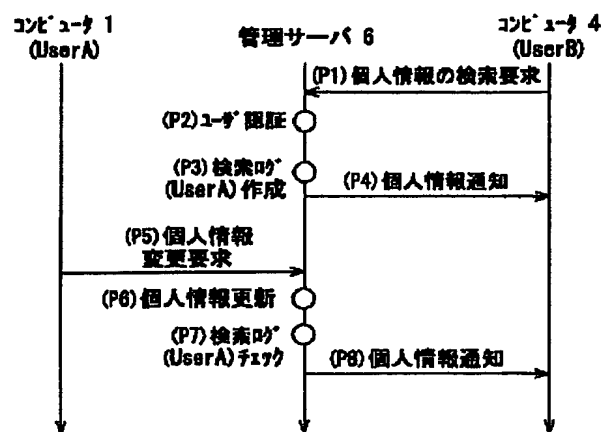


[Drawing 9]

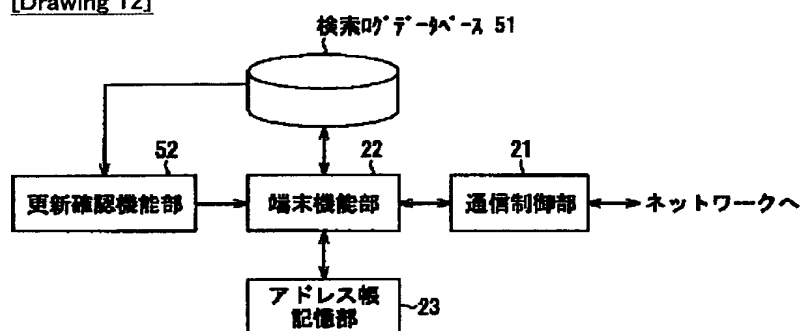


管理サーバ 6

[Drawing 11]

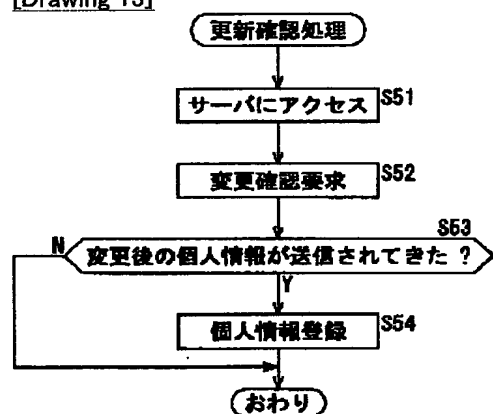


[Drawing 12]

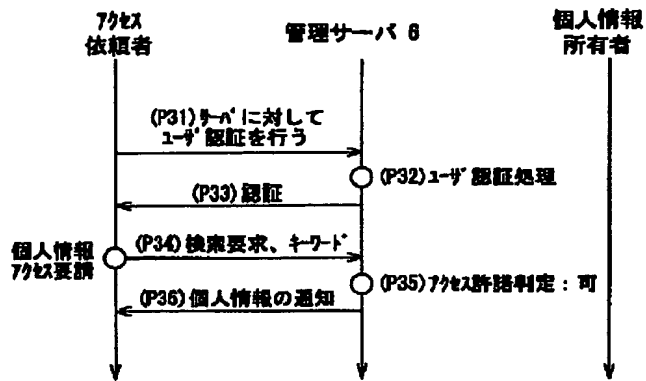


コンピュータ 1

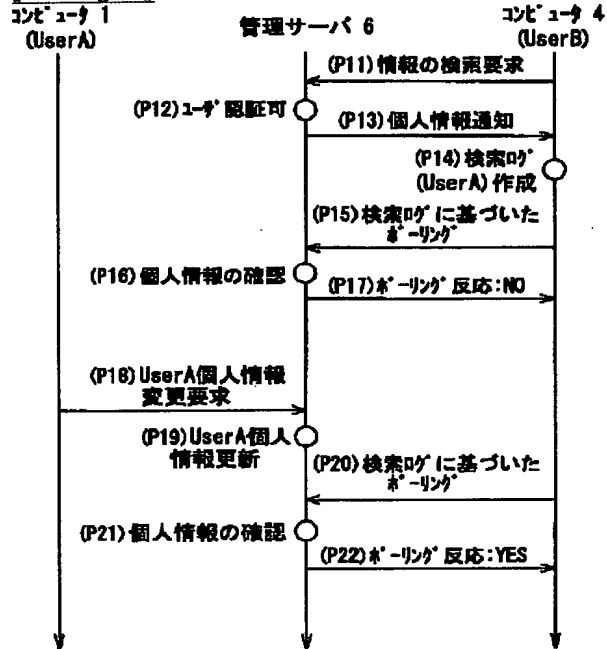
[Drawing 13]



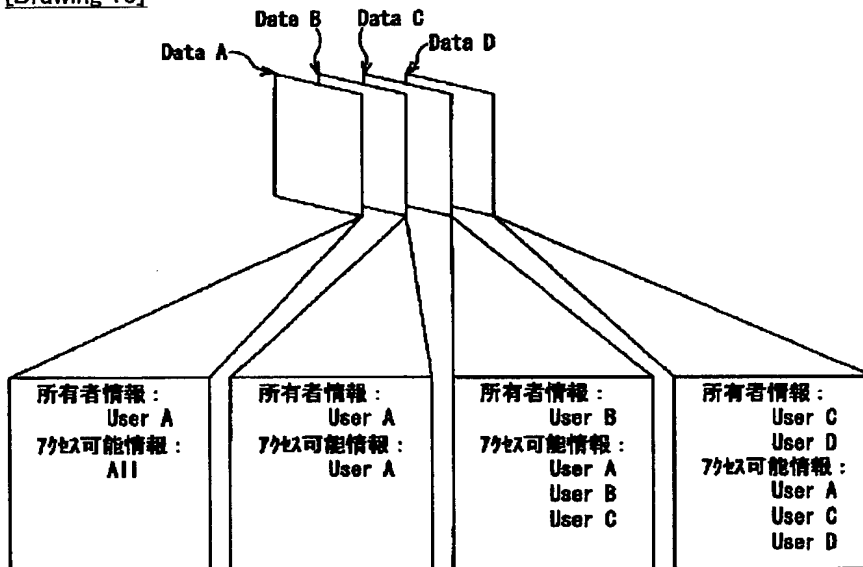
[Drawing 18]



[Drawing 14]

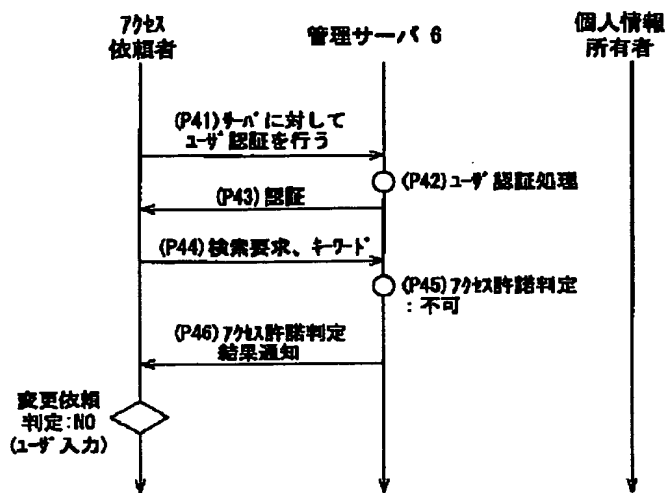


[Drawing 15]

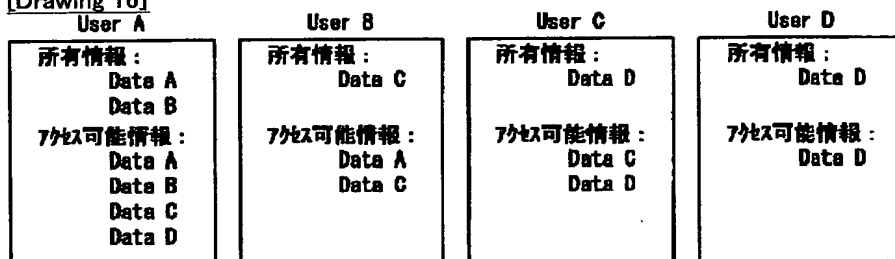


情報項目毎のアクセス制限情報

[Drawing 19]

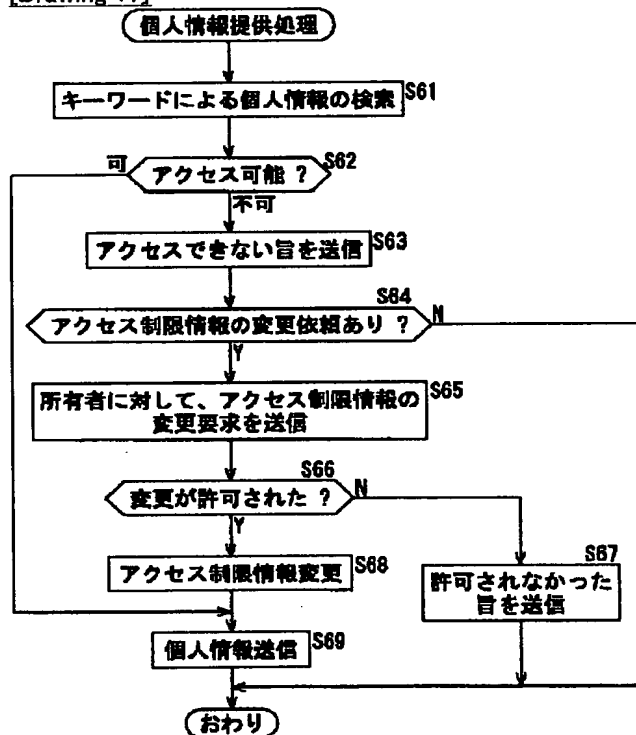


[Drawing 16]

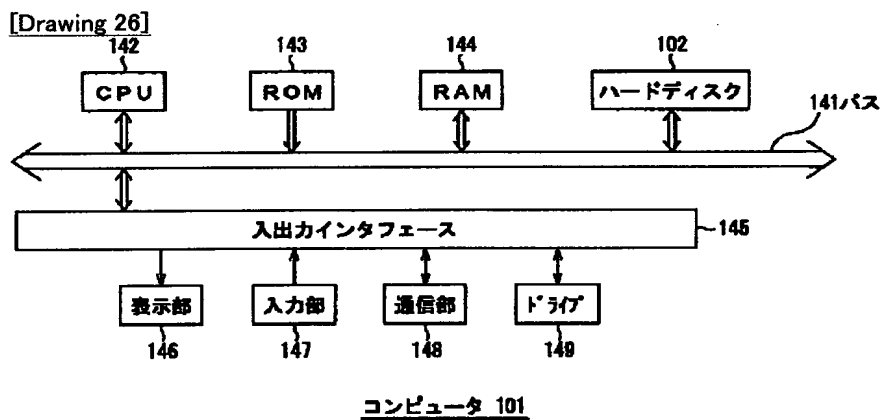
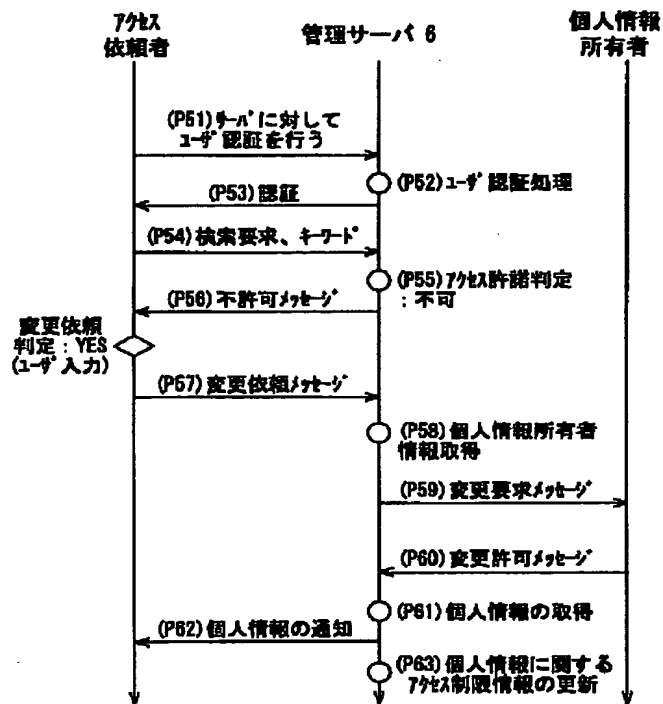


ユーザ毎のアクセス制限情報

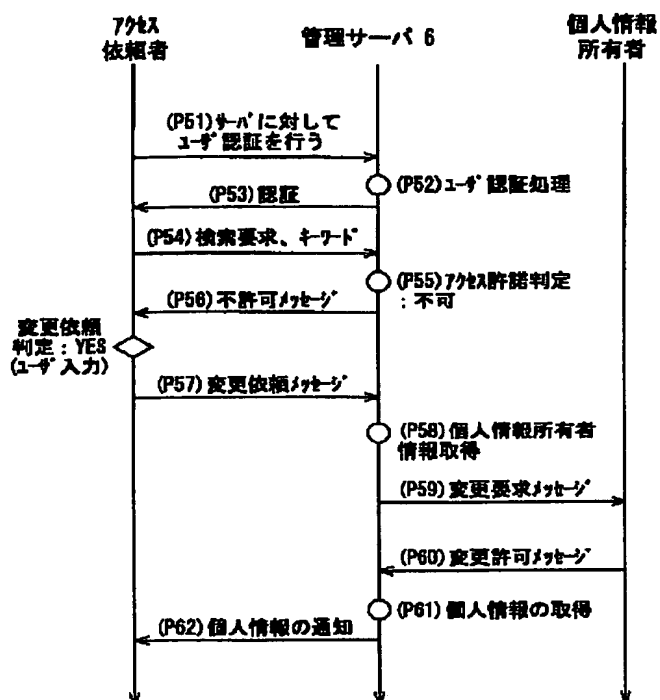
[Drawing 17]



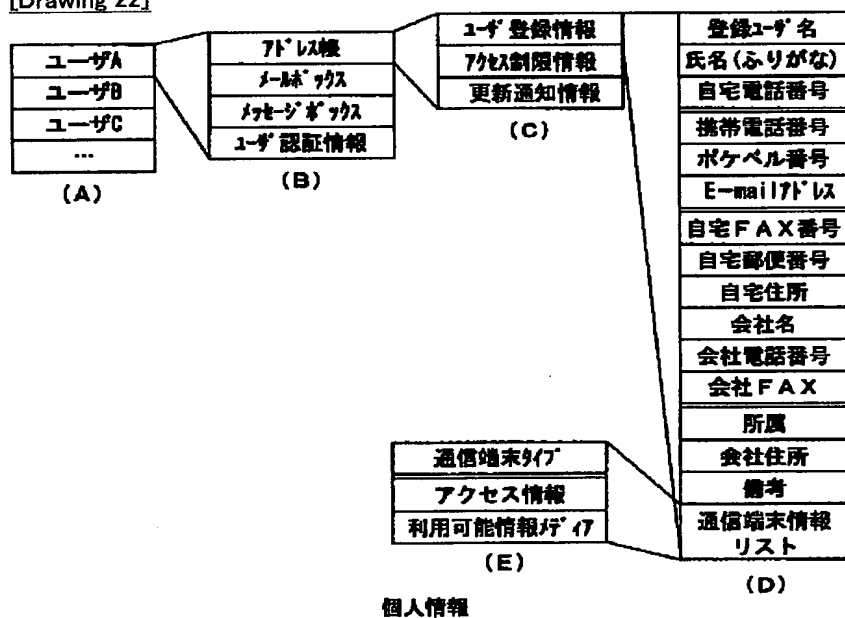
[Drawing 20]



[Drawing 21]



[Drawing 22]



[Drawing 23]

アクセス制限情報	登録ユーザ名 : User A, User B
	氏名(ふりがな) : User A, User B
	自宅電話番号 : User A, User B
	携帯電話番号 : User A, User B
	ポケベル番号 : User A, User B
	E-mailアドレス : User A, User B
	自宅FAX番号 : Nobody
	自宅郵便番号 : Nobody
	自宅住所 : Nobody
	会社名 : User A
	会社電話番号 : User A
	会社FAX : User A
	所属 : User A
	会社住所 : User A
	備考 : Nobody
	通信端末情報リスト : User A, User B

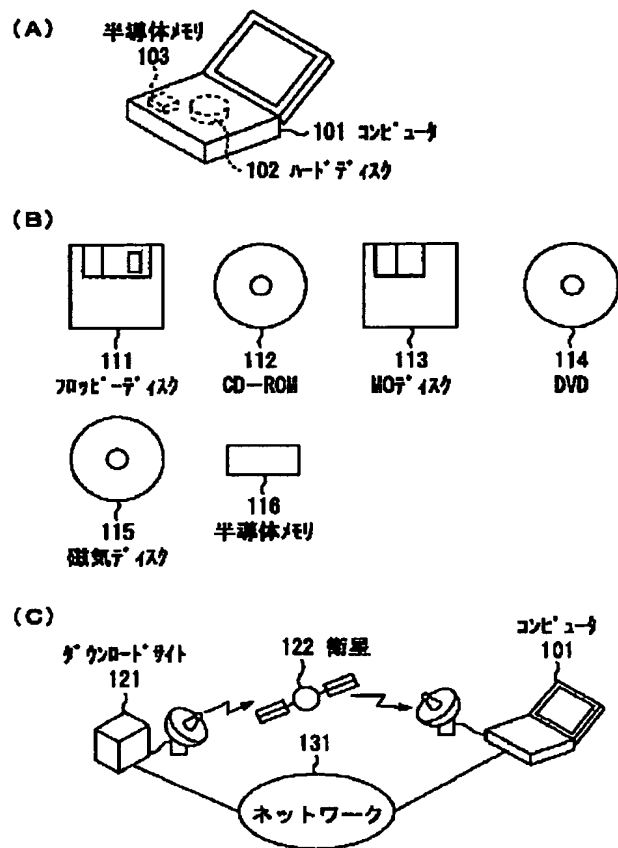
アクセス制限情報

[Drawing 24]

更新通知情報	登録ユーザ名 : User A, User B
	氏名(ふりがな) : User A, User B
	自宅電話番号 : User A, User B
	携帯電話番号 : User A, User B
	ポケベル番号 : User A, User B
	E-mailアドレス : User A, User B
	自宅FAX番号 : Nobody
	自宅郵便番号 : Nobody
	自宅住所 : Nobody
	会社名 : User A
	会社電話番号 : User A
	会社FAX : User A
	所属 : User A
	会社住所 : User A
	備考 : Nobody
	通信端末情報リスト : User A, User B

更新通知情報

[Drawing 25]



[Translation done.]